

We Claim:

1. A method of scheduling multiple data flows for quality of service adjustment in a packet switched cellular system, comprising the step of:
coupling a first scheduling mechanism of a first cell with a second scheduling mechanism of a second cell.
2. The method of claim 1, wherein the step of coupling comprises the step of transferring data having a status information concerning a data flow to be handed over from the first scheduling mechanism of the first cell towards the second scheduling mechanism of the second cell.
3. The method of claim 1, wherein at least one of the first and second scheduling mechanisms is ensured by linking at least two schedulers each operating on a different protocol layer, wherein each protocol data unit of an incoming data flow to be transmitted is scheduled by a scheduler on an upper layer regarding pre-definable associated quality of service requirements into a priority list to be served by a scheduler of a lower layer.
4. The method of claim 1, comprising the steps of:
sending a measurement report comprising an information of the current quality of a radio link concerning a first cell, depending on the necessity to handover a user equipment from the first cell to a second cell based on a reported measurement;
transmitting a handover command message to involved entities;
terminating the scheduling procedure of the first cell for the data flows of the user equipment;
transmitting a status information for the data flows of the user equipment to the second cell; and
starting a scheduling procedure of the second cell for the data flows of the user equipment.
5. The method of claim 1, comprising the adjusting of a data transmission rate for the user equipment in dependence on a data flow rate ensured during a preceding time thereby regarding a definable minimum value for the data transmission rate, a

medium value for the data transmission rate for a compensation of data flows or a maximum value for the data transmission rate.

6. The method of claim 1 comprising the step of timestamp shifting during a handover including the step of defining a minimum timestamp value of PDUs of
- 5 currently scheduled data flows associated with the first cell, defining a maximum timestamp value of all PDUs of currently scheduled data flows associated with the first cell or defining a timestamp offset value adapted to be used for an inter-cell compensation.